First name/ Surname	Alessandra Carattoli
Position held 1997-2011 Position held 2011-today	Senior Scientist permanent position at Istituto Superiore di Sanità, dep. Infectious, Parasitic and Immune-Mediated Diseases Research Director permanent position at Istituto Superiore di Sanità, dep.
	Infectious, Parasitic and Immune-Mediated Diseases
Title of qualification awarded	B.Sc in Biology, University of Rome
	PhD in Molecular and Cellular Biology. Ph.D dissertation "Molecular characterization of light-regulated genes in <i>Neurospora crassa</i> ".
Index	Authored 130 peer-reviewed papers (source Google Scholar, Feb 2016)
	Total citations 8987 Official H-index 51 In the Highly Cited Researchers list 2015 by ISI-Thompson Reuters http://hcr.stateofinnovation.thomsonreuters.com/
Awards	2011- International Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Program Committee Award for outstanding abstract presentation in the area of Resistance: Mechanisms and Consequences, 51th ICAAC Chicago, USA
	2013- ICAAC Program Committee Award for outstanding abstract presentation in the area of Resistance: Mechanisms and Consequences, 53th ICAAC Denver, USA
Relevant Publications	 Villa L, Feudi C, Fortini D, García-Fernández A, Carattoli A. Genomics of KPC-producing Klebsiella pneumoniae sequence type 512 clone highlights the role of RamR and ribosomal S10 protein mutations in conferring tigecycline resistance. Antimicrob Agents Chemother. 2014;58(3):1707-12 Carattoli A, Zankari E, García-Fernández A, Voldby Larsen M, Lund O, Villa L, Møller Aarestrup F, Hasman H. In silico detection and typing of plasmids using PlasmidFinder and plasmid multilocus sequence typing. Antimicrob Agents Chemother. 2014 Jul;58(7):3895-903. Carattoli A. Resistance plasmid families in Enterobacteriaceae. Antimicrob Agents Chemother. 2009 Jun;53(6):2227-38 Iacono M, Villa L, Fortini D, Bordoni R, Imperi F, Bonnal RJ, Sicheritz- Ponten T, De Bellis G, Visca P, Cassone A, Carattoli A. Whole-genome pyrosequencing of an epidemic multidrug-resistant Acinetobacter baumannii strain belonging to the European clone II group. Antimicrob Agents Chemother. 2008 Jul;52(7):2616-25. Carattoli A., F. Tosini , W.P. Giles, M.E. Rupp, S.H. Hinrichs, F.J.Angulo, T.J. Barrett and P.D. Fey. 2002. Characterization of plasmids carrying CMY-2 from expanded-spectrum cephalosporin-resistant Salmonella isolated in the United States between 1996 and 1998. Antimicrob Agents Chemother 46: 1269-1272 Carattoli A, Bertini A, Villa L, Falbo V, Hopkins KL, Threlfall EJ. 2005. Identification of plasmids by PCR-based replicon typing. J Microbiol Methods. 63 (3) 219 -228. Carattoli A., F. Tosini, P. Visca. 1998. Multi-drug resistant Salmonella enterica serotype Typhimurium infections. New Engl. J. Med. Letter. 339:921-922. Carattoli, A., E. Kato, M. Rodriguez Franco, WD Stuart & G. Macino. 1995. " A chimeric light regulated aminoacid transport system allows the isolation of blue light regulated folt mutants of Neuropora crassa". Proc. Natl. Acad. Sci. USA 92: 6612-6616
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Inventions Current Projects	 2005: PCR-Based Replicon Typing (PBRT). Method invented for rapid identification of plasmids (Carattoli et al. 2005 JMM 63:219-28 - 1188 citations Google scholar Feb 2016). 2008: Plasmid Multi Locus Sequence Typing (pMLST). Method invented for plasmid typing. Dr. Carattoli is curator of the pMLST web-site http://pubmlst.org/plasmid/ hosted by the University of Oxford, UK 2010: PBRT-KIT launched on the market, produced by DIATHEVA S.r.l. Fano, IT 2013 Plasmid Finder Database: a friendly-used database invented for in silico detection of plasmid content in bacterial raw genome data. Dr. Carattoli is curator of the <i>PlasmidFinder</i> web-site at the Center for Genomic Epidemiology, DTU, Denmark.
	Genomics and metagenomics for control of infectious diseases sustained by bacteria
	 Molecular diagnostics for rapid bacterial identification and typing. Major interest in tracing plasmids conferring antimicrobial resistance in clinically relevant bacteria
	 Molecular diagnostics for rapid detection of bacteria potentially used as bioterroristic agents
	 Construction and implementation of databases for the analysis of bacterial genome sequences to identify: resistance genes, plasmids, mobile genetic elements
	 Monitoring and epidemiology of antimicrobial resistance exchanges among bacteria from animals, food and humans